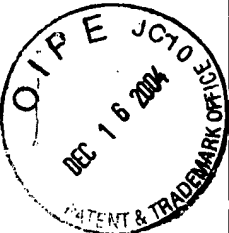


12-20-04

IPW 1532



PTO/SB/17 (12-04) Approved for use through 7/31/2006. OMB 0651-0032 U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).		Complete if Known		
FEE TRANSMITTAL For FY 2005		Application Number	10/024,648-Conf. #2636	
		Filing Date	December 19, 2001	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		First Named Inventor	Heather J. Belmont	
		Examiner Name	A. M. S. Wehbe	
TOTAL AMOUNT OF PAYMENT		Art Unit	1632	
(\$)		690.00	Attorney Docket No.	49663(48340)

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order None Other (please identify): _____

Deposit Account
Deposit Account Number: 04-1105 Deposit Account Name: Edwards & Angell, LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below Charge fee(s) indicated below, **except for the filing fee**

Charge any additional fee(s) or any underpayment of fee(s) under 37 CFR 1.16 and 1.17 Credit any overpayments

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims 19 - 123 x = **Multiple Dependent Claims**
Fee (\$) **Fee Paid (\$)**

Indep. Claims 5 - 11 = x = **Fee (\$)** **Fee Paid (\$)**

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity), for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets - 100 = /50 (round up to a whole number) x = **Fee (\$)** **Fee Paid (\$)**

4. OTHER FEE(S)

	Fees Paid (\$)
Non-English Specification, \$130 fee (no small entity discount)	
Other: 2253 Extension for response within third month	510.00
1806 Submission of an Information Disclosure Statement	180.00

SUBMITTED BY:

Signature		Registration No. (Attorney/Agent)	40,927	Telephone	(617) 439-4444
Name (Print/Type)	Robert L. Buchanan	Date	December 16, 2004		

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV437822266US, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22315-1450, on the date shown below.

Dated: December 16, 2004 Signature: Judy Daley

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Dated: December 16, 2004 Signature: *Judy Daley*
Judy Daley

Docket No.: 49663(48340)
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Heather J. Belmont et al.

Application No.: 10/024,648

Confirmation No.: 2636

Filed: December 19, 2001

Art Unit: 1632

For: TRANSGENIC ANIMALS COMPRISING A
HUMANIZED IMMUNE SYSTEM

Examiner: A. M. S. Wehbe

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

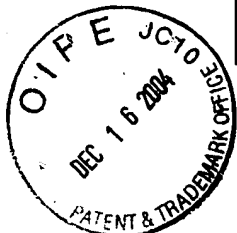
Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed more than three months after the U.S. filing date, AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Office Action or Notice of Allowance (37 CFR 1.97(c)).

A copy of each reference on the PTO/SB/08 is attached.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be



an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

Please charge our Deposit Account No. 04-1105 in the amount of \$180.00 covering the fee set forth in 37 CFR 1.17(p). The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 04-1105, under Order No. 49663(48340). A duplicate copy of this paper is enclosed.

Dated: December 16, 2004

Respectfully submitted,

By 

Robert L. Buchanan

Registration No.: 40,927

EDWARDS & ANGELL, LLP

P.O. Box 55874

Boston, 02205

(617) 439-4444

Attorney for Applicant

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Substitute for form 1449A/B/PTO			Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Application Number	10/024,648-Conf. #2636
			Filing Date	December 19, 2001
			First Named Inventor	Heather J. Belmont
			Art Unit	1632
			Examiner Name	A. M. S. Wehbe
			Attorney Docket Number	49663(48340)
Sheet	1	of	1	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)					

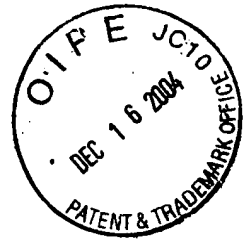
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	Zumla, et al., "Co-expression of human T cell receptor chains with mouse CD3 on the cell surface of a mouse T cell hybridoma," Journal of Immunological Methods, Vol. 149, pp. 69-76, (1992).	
	CB	Peterson, et al., "Production of transgenic mice with yeast artificial chromosomes," TIG, Vol. 13, No. 2, pp. 61-66, (1997).	
	CC	Mendez, et al., "Functional transplant of megabase human immunoglobulin loci recapitulates human antibody response in mice," Nat. Genetics, Vol. 15, pp. 146-156, (1997).	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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Application No. (if known): 10/024,648

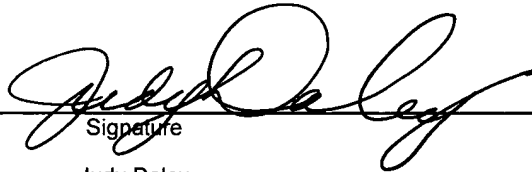
Attorney Docket No.: 49663(48340)

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Date



Signature

Judy Daley

Typed or printed name of person signing Certificate

Registration Number, if applicable

(617) 439-4444
Telephone Number

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IDS (Citation) by Applicant (3 References) (1 page)
Information Disclosure Statement

